

**Patent Agent**

429 26th Ave., Santa Cruz, CA 95062

**RECEIVED  
CENTRAL FAX CENTER****OCT 11 2004****FAX**Date: 10/11/04Number of pages including cover: 10

To: Examiner Elallam, Ahmed  
Fax phone: 703-872-9306  
Org: GAU 2662 US PTO

From: Stuart Auvinen  
Phone: (831) 476-5506  
Fax phone: (831) 477-0703

**REMARKS:**  Urgent  For your review  Reply ASAP  Please comment  
Ser. No. 09/681,268 Group 2662 Docket HN-4

**FIRST AMENDMENT**

Thank You.

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office.

Signed Stuart Auvinen

Stuart T. Auvinen, Reg. No. 36,435

Date Signed and transmitted 10/11/04

This message is intended for the use of the individual or entity to which it is addressed and may contain information that is privileged and confidential. If you are not the intended recipient, please note that any dissemination, distribution, or copying of this communication is prohibited. If you receive this communication in error, please notify me immediately by telephone and return the original communication to the above address via the U.S. Postal Service.

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office.  
Signed   
Stuart T. Auvinen, Reg. No. 36,435  
Date Signed and transmitted 10-11-04

RECEIVED  
CENTRAL FAX CENTER  
OCT 11 2004

PATENT  
HN-4

5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )  
Ngai )  
Serial No. 09/681,268 )  
Filed: 3/12/2001 )  
For: Dual-Loop Bus-Based Network Switch )  
Using Distance-Value or Bit-Mask )  
)

Examiner: Elallam, Ahmed

Group Art Unit: 2662

AMENDMENT UNDER 37 C.F.R. § 1.111

10 Hon. Commissioner of Patents and Trademarks  
Washington, DC 20231

Sir:

15 In response to the office action mailed 8/25/04, please amend the above-identified  
application as follows: